

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 84-50

WASTE DISCHARGE REQUIREMENTS FOR:

NAPA VALLEY COUNTRY CLUB  
NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter called the Board) finds that:

1. The Napa Valley Country Club, hereinafter called the discharger, submitted consultant's technical report dated June 12, 1984 proposing the rehabilitation of the wastewater system. A Report of Waste Discharge was submitted on June 14, 1984.
2. The Country Club consists of golf course, tennis court, swimming pool and a restaurant. The discharger currently generates an average of 550 gallons per day of domestic waste (700 gallons per day during summer season and 400 gallons per day during winter season) from approximately 15 employees and 50 club members. The wastewater is discharged from the clubhouse into two 1,200 gallon septic tanks and is then piped into two evaporation-percolation ponds for final disposal. Pond No. 1 is filled by a pump discharge line originating at a pump chamber near septic tanks located adjacent to the clubhouse. Pond No. 2 is filled by overflow from pond No. 1.
3. Periodic maintenance of the Discharger's swimming pool requires chemical additives to maintain proper chlorine and pH adjustment. The pool water passing through the overflow drain will be recirculated back to the pool via a surge tank. During summer season, approximately 1,000 to 1,500 gallons of filter backwash wastewater will be generated at a frequency of once every two or three weeks. This backwash waste will wash down the hill along the pool through a wooded area and will soak into the adjacent soils. The maintenance level during winter time is very low.
4. The present maximum storage capacity of pond 1 is approximately 50,000 gallons and pond 2 may contain approximately 35,000 gallons. While ponds 1 and 2 have functioned adequately in the past, the two heavy rainfall winters during 81-82 and 82-83 have caused seepage through pond walls on various occasions due to continuous high water levels in the ponds. Besides, the ponds were damaged by some burrowing animal holes and the capacity of the ponds was reduced by the growth of obnoxious plant.
5. The discharger has built a new pond, pond No. 3, to accept all effluent from the pump discharge line except during maintenance periods. The maximum storage capacity of pond 3 is approximately 148,000 gallons while maintaining two feet of freeboard. After repair and cleaning, ponds 1 and 2 will be used in the future to act mainly as overflow ponds in the events of excessive rainfall and to allow

periodic maintenance of pond 3. Sufficient wastewater will be disposed to ponds 1 and 2 to reduce damage from burrowing animals and to maximize the surface area available for evaporation. Ponds 1 and 2 could also be used as sludge drying beds during summer months if necessary.

6. Pond 3 is located adjacent to and east of the old ponds. The entire pond system is in a fenced area built upon a small hill in the middle of the golf course owned by the discharger. Attachment A is a location map of these facilities, and is hereby made a part of this Order.
7. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for the Napa River and tributaries.
8. The beneficial uses contained in the Basin Plan for the Napa River downstream from the vicinity of Napa Valley Country Club are:
  - a. Navigation
  - b. Water contact recreation
  - c. Non-contact water recreation
  - d. Warm fresh water habitat
  - e. Cold fresh water habitat
  - f. Wild life habitat
  - g. Preservation of rare and endangered species
  - h. Fish migration and spawning
9. The beneficial uses of the Napa Valley groundwaters as set forth in the Basin Plan include:
  - a. Domestic water supply
  - b. Agricultural water supply
10. This project involves the rehabilitation and modification of a privately-owned sewage treatment and disposal facility with negligible effects on the environment. Pursuant to Section 15101, Title 14, California Administrative Code, the proposed use is exempt from the provisions of the California Environmental Quality Act (CEQA).
11. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the existing discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.

12. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, the Napa Valley Country Club, pursuant to the provisions of Division 7 of the California Water Code, and regulations adopted thereunder, shall comply with the following:

A. Prohibitions

1. Overflow or seepage from the evaporation ponds resulting in surfaced effluent outside the ponds is prohibited.
2. Surfaced flow originating from backwashing of the swimming pool filter which results in discharge into any watercourse is prohibited.
3. Wastewater ponding which could provide a breeding area for mosquitoes is prohibited.
4. The waste shall not cause degradation of any ground water so as to impair beneficial uses.

B. Discharge Specifications

1. Sufficient wastewater shall at all times be disposed to ponds 1 and 2 to maximize the surface area available for evaporation except during periods of repair, cleaning, and maintenance.
2. The evaporation ponds shall be adequately protected from erosion, washout, and flooding having a predicted frequency of once in 100 years.
3. To prevent threat of overflows, a minimum freeboard of two feet shall be maintained in each evaporation pond at all times.
4. The public shall be effectively excluded from the waste treatment and disposal area.
5. Waste at the surface of all ponds shall meet the following quality limits at all times:

In any grab samples:

Dissolved Oxygen	2.0 mg/l minimum
Dissolved Sulfide	0.1 mg/l maximum
pH	6.0 minimum
	9.0 maximum

6. All maintenance works including repair and cleaning of the ponds must be completed before the onset of each rainy season.
7. Any pool drainwater that is discharged to a watercourse must meet the following limits:

Chlorine residual	0.0 mg/l
pH units	7.0 minimum
	9.0 maximum

C. Provisions

1. The discharger shall comply with all prohibitions, specifications, and provisions of this Order immediately upon adoption except A.4 and B.6.
2. To comply with A.4 the discharger is required to submit, within one hundred and twenty (120) days of the effective date of this permit, a proposed plan and appropriate time schedule for a groundwater study, to the satisfaction of the Executive Officer, to determine subsurface geology of the evaporation-percolation pond system which includes permeability of the soils, percolation rate of the wastewater into subsurface soils, slope of the groundwater gradient, and the potential adverse effects of this pond system upon groundwater and its beneficial uses.

After reviewing the final study results, the Executive Officer will evaluate the adequacy of the pond system and determine if further work will be required to prevent the impairments of groundwater quality.

3. To comply with B.6 the discharger shall comply with the following time schedule:

<u>Task</u>	<u>Compliance Date</u>
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- |  |                 |
|--|-----------------|
| 1. Submit study plan for repair of ponds 1 and 2 | April 1, 1985   |
| 2. Complete repair                               | October 1, 1985 |
4. The discharger shall comply with the Self-Monitoring Program as ordered by the Executive Officer.
  5. This Order does not allow for spray disposal or other wastewater reclamation.
  6. By October 1 of each year, the Discharger shall submit a report to the satisfaction of the Executive Officer containing the depth of freeboard in each pond, and an assessment of the ability of the ponds to maintain the minimum freeboard in the ponds throughout the wet season with anticipated rains and waste inflow.

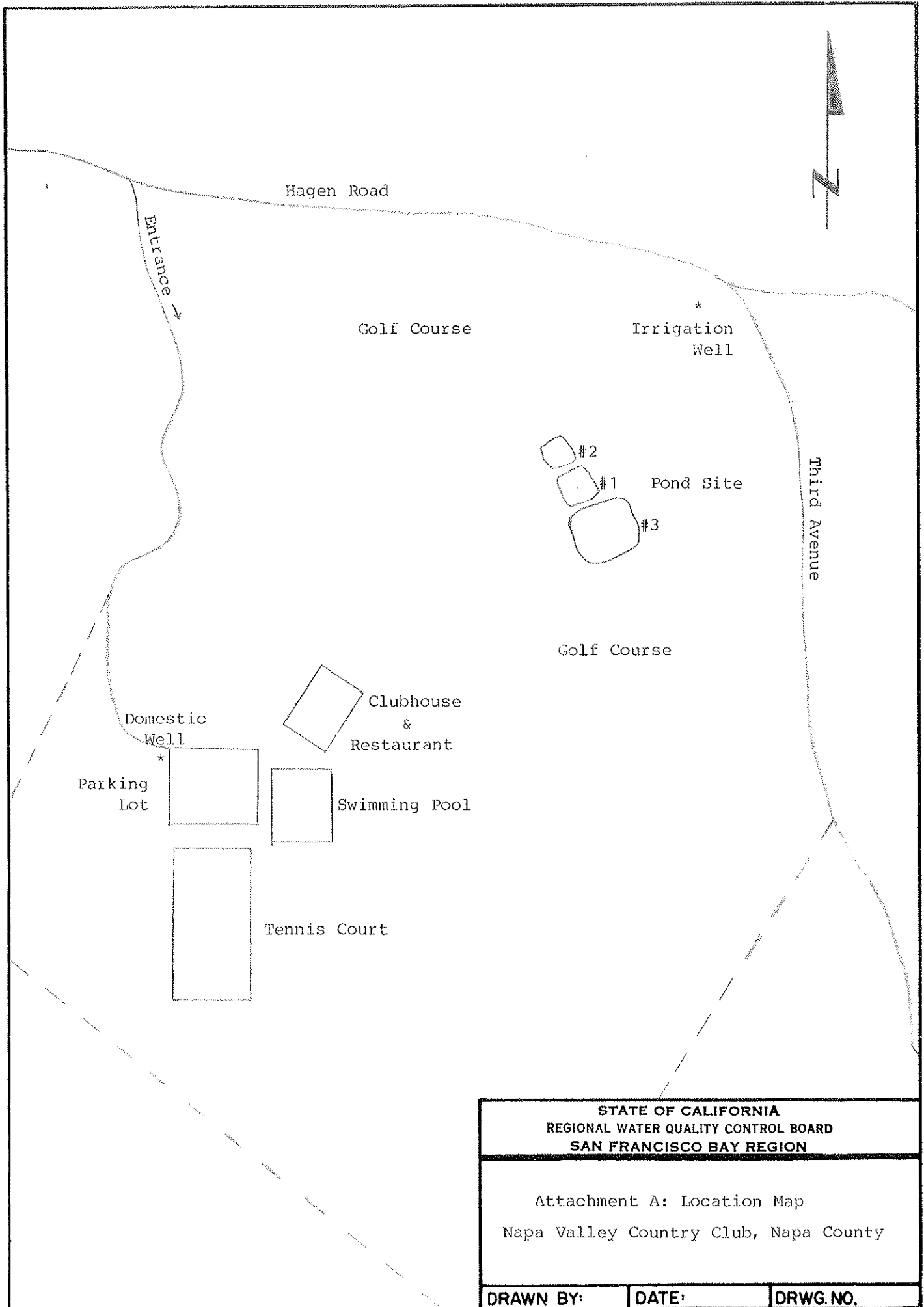
7. In reviewing compliance with Prohibitions A.1, and A.2, and Specification B.3, the Board will take special note of the difficulties which may be encountered in achieving compliance during entire wet season having a rainfall recurrence interval greater than once in ten years.
8. When an approved public sanitary sewer is within 400 feet of the evaporation ponds, the discharger shall submit a technical report to the satisfaction of the Executive Officer and time schedule describing how the ponds will be abandoned and connection made to the sanitary sewer.
9. The discharger shall comply with the following items contained in the attached Regional Board's "Standard Provisions, Reporting Requirements, and Definitions", dated April 1977: A.1, A.2, A.3, A.6, A.7, A.8, A.11, A.12, A.13, A.14, A.15, and B.4.
10. This Board will review this Order periodically and may revise the requirements when necessary.

I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on August 15, 1984.

ROGER B. JAMES  
Executive Officer

Attachments:

- A. Map
- B. Standard Provisions, Reporting Requirements and Definitions, April 1977
- C. Final Self-Monitoring Program



STATE OF CALIFORNIA  
REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

Attachment A: Location Map  
Napa Valley Country Club, Napa County

DRAWN BY:

DATE:

DRWG. NO.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

FINAL

SELF-MONITORING PROGRAM  
FOR

NAPA VALLEY COUNTRY CLUB

NAPA COUNTY

ORDER NO. 84-50

CONSISTS OF

PART A

## PART A

### I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by the Regional Board.
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

### II. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSIS AND OBSERVATIONS

#### A. Pond Influent

Monthly, determine average daily flow, in gallons per day, of wastewater entering the treatment pond system.

#### B. Evaporation ponds

At any point on the surface of each pond, representative of the wastewater:

1. Monthly, determine dissolved oxygen (D.O.) concentration, mg/l. If D.O. is less than 2.0 mg/l, sample for dissolved sulfides.
2. monthly, determine pH.
3. Weekly, perform standard observations along perimeter of each pond:
  - a. Evidence of leaching liquid from pond perimeter dike and estimated size of affected area. (Show affected area on a sketch)



- b. Odor: presence or absense, characterization, source and distance of travel.
- c. Estimated number of waterfowl and other water associated birds in the disposal area and vicinity.
- d. Determine freeboard, in inches, for each pond: from the water surface to the lowest point in pond perimeter dike.

C. Swimming Pool

Observe evidence of surfaced wastewater originated from filter backwash discharged to any watercourse during or after each operation.

D. Groundwater

A groundwater sampling program will be implemented based on the results of a groundwater study required in Provision C.2 of the Waste Discharge Requirements.

II. REPORT TO BE FILED WITH THE REGIONAL BOARD

1. Violations of Requirements:

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) maintenance work, power failures, or breakdown of waste treatment equipment, or
- (b) accidents caused by human error or negligence or
- (c) other causes such as acts of nature,

the discharger shall notify the Regional Board office by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall

include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

In addition, if the non-compliance caused by items (a), (b) or (c), above is with respect to any of the effluent limits, the waste discharger shall promptly accelerate his monitoring program to analyze the discharge at least once every day for those constituents which have been violated. Such daily analyses shall continue until such time as the effluent limits have been attained, or until such time as the Executive Officer determines to be appropriate. The results of such monitoring shall be included in the regular Self-Monitoring Reports.

## 2. Bypass Reports

Bypass reporting shall be an integral part of regular monitoring program reporting and a report on bypassing of untreated waste or bypassing of any ponded water shall be made which will include cause, time and date, duration and estimated volume of waste bypassed, method used in eliminating volume, and persons (including Napa County Health) notified, for planned and/or unplanned bypasses. Notification to the Regional Board shall be made immediately by phone, followed by written correspondence within 15 days if a bypass occurs.

The discharger shall file a written technical report at least 15 days prior to advertising for bid on any construction project which would cause or aggravate the discharge of waste in violation of requirements; said report shall describe the nature, costs, and scheduling of all action necessary to preclude such discharge.

## 3. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter and submitted by the fifteenth day of the following month. The reports shall be comprised of the following:

a. Letter of Transmittal:

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past months and actions taken or planned for correcting violations, such as plant operation modifications and/or plant facilities expansion. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Data Results

All results observed or analyzed in II.A II.B and II.C.

c. List of Approved Analyses

1. Listing of analyses for which the discharger is approved by the State Department of Health.
2. List of analyses performed for the discharger by another approved laboratory currently or previously approved by the State Department of Health Service (and copies of reports signed by the laboratory director of that laboratory shall also be submitted as part of the report).

I, Roger B. James, Executive Officer, do hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 84-50.

2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

ROGER B. JAMES  
Executive Officer

Effective Date \_\_\_\_\_